

CLAIMS

What is claimed is:

1. A method for synchronizing database records, said method comprising the steps of:

storing, on a central computer, demographic data, class schedule data, and image files in a master database;

synchronizing the demographic data stored on said central computer with a first database in a mobile computer; and

synchronizing the class schedule information stored on said central computer with a second database in said mobile computer, wherein said steps of synchronizing the demographic data and synchronizing the class schedule information are performed by a conduit program between said central computer and said mobile computer.

2. The method according to claim 1, wherein said conduit program determines a user number associated with said mobile computer.

3. The method according to claim 2, wherein said conduit program synchronizes the demographic data and class schedule data on a user lever.

4. The method according to claim 3, wherein said conduit program synchronizes a plurality of users via a 32 bit integer where each user is represented by 2 bits.

5. The method according to claim 1, wherein said conduit program iterates through the records in the first database and second database of the mobile computer.

6. The method according to claim 5, wherein said conduit program marks records in the central computer that have changed as marked records.

7. The method according to claim 5, wherein said conduit program writes any changed records in said mobile computer to said central computer.

8. The method according to claim 5, wherein said conduit program iterates through the records of the central computer.

9. The method according to claim 8, wherein said conduit program determines if there are any marked records and writes said marked records to said mobile computer.

10. The method according to claim 9, wherein said conduit program determines if there are any new records and writes said new records to said mobile computer.

11. The method according to claim 1, further including the step of:
synchronizing the image files stored on said central computer with a third
database in said personal digital assistant.

12. The method according to claim 11, wherein said step of
synchronizing said image files further includes the steps of:
exporting said demographic data, class schedule information and image files;
and
installing said demographic data, class schedule information and image files
on said personal digital assistant.

13. The method according to claim 12, wherein said demographic data
and class schedule information are stored in random access memory of said personal
digital assistant.

14. The method according to claim 12, wherein said image files are
stored in a memory card of said personal digital assistant.

15. The method according to claim 12, wherein said step of exporting further includes the step converting data in said image file from little endian format on said central computer to big endian format on said mobile computer.

16. The method according to claim 15, wherein data in image file is in a 256 color optimized bitmap format.

17. The method according to claim 11, wherein said steps of synchronizing the image files, synchronizing the demographic data, and synchronizing the class schedule information are performed wirelessly.

18. A computer readable medium, said computer readable medium comprising instructions to cause a computer to:

store, in a master database, demographic data, class schedule data, and image files;

synchronize the demographic data stored on said master database with a first database in a mobile computer;

synchronize the class schedule information stored on said master database with a second database in said mobile computer; and

synchronize the image files stored on said master database with a third database in said mobile computer.

19. The computer readable medium according to claim 18, wherein said instructions of synchronizing the demographic data and synchronizing the class schedule information are performed by a conduit program.

20. The computer readable medium according to claim 20, wherein said instructions of synchronizing the image files stored on said master database with a third database in said mobile computer are performed by exporting said demographic data, class schedule information and image files, and installing said

demographic data, class schedule information and image files on said mobile computer.

21. A method for synchronizing database records in a school, said method comprising the steps of:

populating a master database with student records and photographic images;
loading said master database onto a central computer;
transferring said student records and photographic images from said master database to a plurality of mobile computers; and
updating said student records and photographic images.

22. The method according to claim 21, further comprising the step of:
synchronizing said student records by use of a conduit program.

23. The method according to claim 22, further comprising the step of:
synchronizing said photographic images by exporting said photographic images from said master database to said plurality of mobile computers.